VPCCW21FX/R

VAIO® CW Notebook PC

Express yourself with color

MAKE A POWERFUL STATEMENT

Enjoy the powerful performance of an Intel® Core™ i3 - 330M processor (2.13GHz[1]) and 4GB of system memory.

The VAIO® CW notebook.

The VAIO® CW notebook comes pre-installed with Genuine Microsoft® Windows® 7 Home Premium.

A perfect mix of power and style, the VAIO® CW notebook is a slim, lightweight PC weighing only 5.3lbs (with standard battery).

Tackle virtually any graphics requirement with a NVIDIA® GeForce® 310M graphics card and 256MB[12] of dedicated video RAM.

EXPRESS YOURSELF WITH COLOR

The CW notebook's eye-catching Firey Red glossy color graces its exterior as well as a gradient color on the palmrest to ensure that this PC makes a head-to-toe color coordinated impression.

RICH MULTIMEDIA

Fall in love with your favorite movies all over again with a 14"(1366x768) LED backlit display[4] using energy-efficient technology.

Enjoying your media has never been more fun with the uniquely smart and easy-to-use Sony® Creativity Suite. Get instantly organized with smart sorting features, create personal masterpieces with easy-to-use creative tools and rediscover forgotten music and memories with breakthrough technology that recommends content based on your unique listening and viewing habits.

Take advantage of the convenience and utility of DVD and CD read/write functionalities.

An HDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately).

ENDLESS FEATURES

A built-in Assist button launches VAIO Care™ software, a simple do-it yourself PC maintenance tool for tune-ups, troubleshooting and more.

Stay connected to friends and family with real-time video conferencing[3] using the integrated MOTION EYE® camera and microphone with face-tracking technology.

Extend the reach of your notebook with A2DP Bluetooth® technology[11]. It's ideal for advanced wireless communication and streaming uncompromised CD-quality stereo music to Bluetooth® technology enabled speakers or headphones.

A colorful and fashionable 14"[4] notebook expresses your personality and lets you enjoy multimedia entertainment, web surfing[3] and meets all your computing needs in style.

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VAIO® CW Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: VAIO, Assist, Wireless on / off, Display Off
Pointing Device: Electro-static touchpad (Multi-Finger)

Hardware

Keyboard: QWERTY, 82 keys with 2.0mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ i3 - 330M
Speed: 2.13GHz[1]
Technology: Intel® Hyper-Threading Technology[20]
L3 Cache: 3MB

Memory

Installed: 4GB (2GBx2)
Maximum: 8GB
Type/Speed: DDR3/1066

Hard Drive

Capacity: 500GB[2]
Speed: 5400rpm
Type: Serial ATA

Optical Drive

CD Support: Read / Write (CD/-R/-RW)
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ media slot (Standard/Duo) with MagicGate® functionality
One ExpressCard® /34 media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 14"[4]
Resolution: 1366x768
Back Light Technology: LED

Graphics

Processor: NVIDIA® GeForce® 310M GPU with Total Available Graphics Memory of 2007MB (max.)[12]
Video RAM: 256MB dedicated video RAM
Chipset: Mobile Intel® PM55 Express Chipset
Max. External Resolution via VGA: 2048x1536
Max. External Display Resolution via HDMI™ : 1920x1080[15]

Inputs and Outputs

Headphone Jack: 1
Microphone Input: 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
Ethernet Connection (s): 1
Internal Microphone: 1
HDMI™ Output(s): 1

Power

Battery Type: Standard Capacity Lithium-ion Battery
Estimated Battery Life: Up to 4 hours[7] Standard Capacity Battery
Up to 6 hours[7] Large Capacity Battery
Power Requirements: 108W or less

Start-up Times

Average Boot Time: 60 sec[18]
Average Resume Time from Suspend: 2 sec[18]
First Boot Time: 5 min[19]

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: 802.11 b/g/n[3]
Bluetooth® Technology: Integrated Stereo A2DP (2.1 + EDR)[11]

Software

Operating System: Microsoft® Windows® 7 Home Premium 64-bit[13]
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[10]
Anti-Virus Software: Norton Internet Security™ 2010 30-Day Trial Offer[14]
System Maintenance and Support: VAIO Care™ - System diagnostics and maintenance
Sony® Creativity Suite: PMB – VAIO® Edition - Import, organize, edit and publish in one easy-to-use program
VAIO® Media Gallery - Bring forgotten favorites to life
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical assistance available 24/7[9] at 888-476-6972
Online and Email Support: Available at http://www.esupport.sony.com/EN/VAIO
Onsite/In-Home Service: 1 year limited warranty with Onsite/In-Home Service[17]. See actual warranty for details.
International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.
Limited Warranty Term: 1 year limited warranty[8]. See actual warranty for details.

Environmental Information

EPEAT™ : Gold
RoHS®: Compliant
ENERGY STAR®: 5.0

Dimensions

Weight: 5.3 lbs (with standard battery)
Measurements: 13.44"(W) x 1.09-1.52"(H) x 9.18"(D)[5]

Supplied Accessories

Standard Lithium-ion battery (4400mAh)
AC Adapter
Power Cable

Optional Accessories

Large Capacity Battery (VGP-BPL21)
Additional Standard Capacity Battery (VGP-BPS21A/B)
AC Adapter (VGP-AC19V31)
Carrying Case (VGP-CKC4/R)
Neoprene Carrying Case (VGP-AMC5)
Bluetooth® Remote Mouse[11] (VGP-BMS80)
Bluetooth® Mouse[11] (VGP-BMS55/R)
Bluetooth® Keyboard[11] (VGP-BKB1)

Color: Fiery Red
UPC Code: 027242792227

1. GHz denotes microprocessor internal clock speed and may vary.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Measured at the narrowest point.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Estimates only based upon Sony engineering testing. Actual performance will vary based on notebook settings, environmental conditions, and usage. Battery capacity decreases over time and use.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913
9. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
11. Interoperability and compatibility among Bluetooth® devices vary.
12. Total Available Graphics Memory refers to the new Windows® 7 classification of graphics memory, which varies depending on the operating condition, versions of device driver, and system memory size.
13. Compatibility and performance in a 64-bit environment may vary.
14. Norton Internet Security™ 2010 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
15. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
16. Broadband Internet service required along with third party services which may require a subscription or other service fee.
17. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
18. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
19. Excluding end user interaction.
20. Intel® Hyper-Threading Technology (Intel® HT Technology) requires a computer system with a processor supporting Intel HT Technology and an Intel HT Technology-enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use.

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice. Non-metric weights and measures are approximate and may vary.
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